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FORM OGC-3

FEB 26 2013

STATE OF MISSOURI  
GEOLOGICAL SURVEY PROGRAM

## APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

Missouri Gas Council

☒ APPLICATION TO DRILL    ☐ DEEPEN    ☐ PLUG BACK    ☒ FOR AN OIL WELL    ☐ OR GAS WELL

NAME OF COMPANY OR OPERATOR  
Kansas Resource Exploration and Development, LLC

DATE  
02/01/2013

ADDRESS  
9393 West 110th St., Suite 500

CITY  
Overland Park

STATE  
KS

ZIP CODE  
66210

## DESCRIPTION OF WELL AND LEASE

NAME OF LEASE  
MacLaughlin

WELL NUMBER  
E-19

ELEVATION (GROUND)  
1069'

WELL LOCATION  
1320 ft. from ☐ North ☒ South section line 1980 ft. from ☒ East ☐ West section line

WELL LOCATION  
Sec. 4 Township 46 North Range 33 ☐ East ☒ West

LATITUDE  
N38 50' 6.71"

LONGITUDE  
W94 34' 20.16"

COUNTY  
Cass 037

NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 320 FEET

DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 207 FEET

PROPOSED DEPTH  
700' 369' ELV

DRILLING CONTRACTOR, NAME AND ADDRESS  
Utah Oil, LLC

ROTARY OR CABLE TOOLS  
Rotary

APPROX. DATE WORK WILL START  
03/01/2013

NUMBER OF ACRES IN LEASE  
138

NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 18

NUMBER OF ABANDONED WELLS ON LEASE 0

IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?

NAME  
DE Exploration

ADDRESS  
4595 Highway K33, Wellsville, KS 66092

NO. OF WELLS PRODUCING 14  
INJECTION 3  
INACTIVE 0  
ABANDONED 0

STATUS OF BOND

☐ SINGLE WELL  
AMOUNT \$

☒ BLANKET BOND  
AMOUNT \$ 280,000

☒ ON FILE  
☐ ATTACHED

REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)

PRODUCER

## PROPOSED CASING PROGRAM

## APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST

AMOUNT	SIZE	WT/FT	CEMENT	AMOUNT	SIZE	WT/FT	CEMENT
20'	8 5/8"	20	6 sks	20	8 5/8"	20	FULL LENGTH
700'	4 1/2"	11.6	125 sks	700	4 1/2"	11.6	

I, the Undersigned, state that I am the C.O.O. of the K.R.E.D. (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge.

SIGNATURE

DATE

2/1/13

PERMIT NUMBER

21213

APPROVED DATE

3-4-12

APPROVED BY

☒ DRILLER'S LOG REQUIRED

☒ E-LOGS REQUIRED IF RUN

☒ CORE ANALYSIS REQUIRED IF RUN

☒ DRILL SYSTEM TEST INFO REQUIRED IF RUN

☐ SAMPLES REQUIRED

☒ SAMPLES NOT REQUIRED

☐ WATER SAMPLES REQUIRED AT

## NOTE

THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.

APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE

I, B. Leech of the Utah Oil (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.

DRILLER'S SIGNATURE

DATE

2-4-13

MO 780-0211 (3-11)

REMIT ONE (1) COPY TO: GEOLOGICAL SURVEY PROGRAM, PO BOX 250, ROLLA, MO 65402 573-368-2143.

( CONSERVATIVE  
VALUE  
225' ELV  
F/M

# RECEIVED

FEB 26 2013  
FORM OGC-41



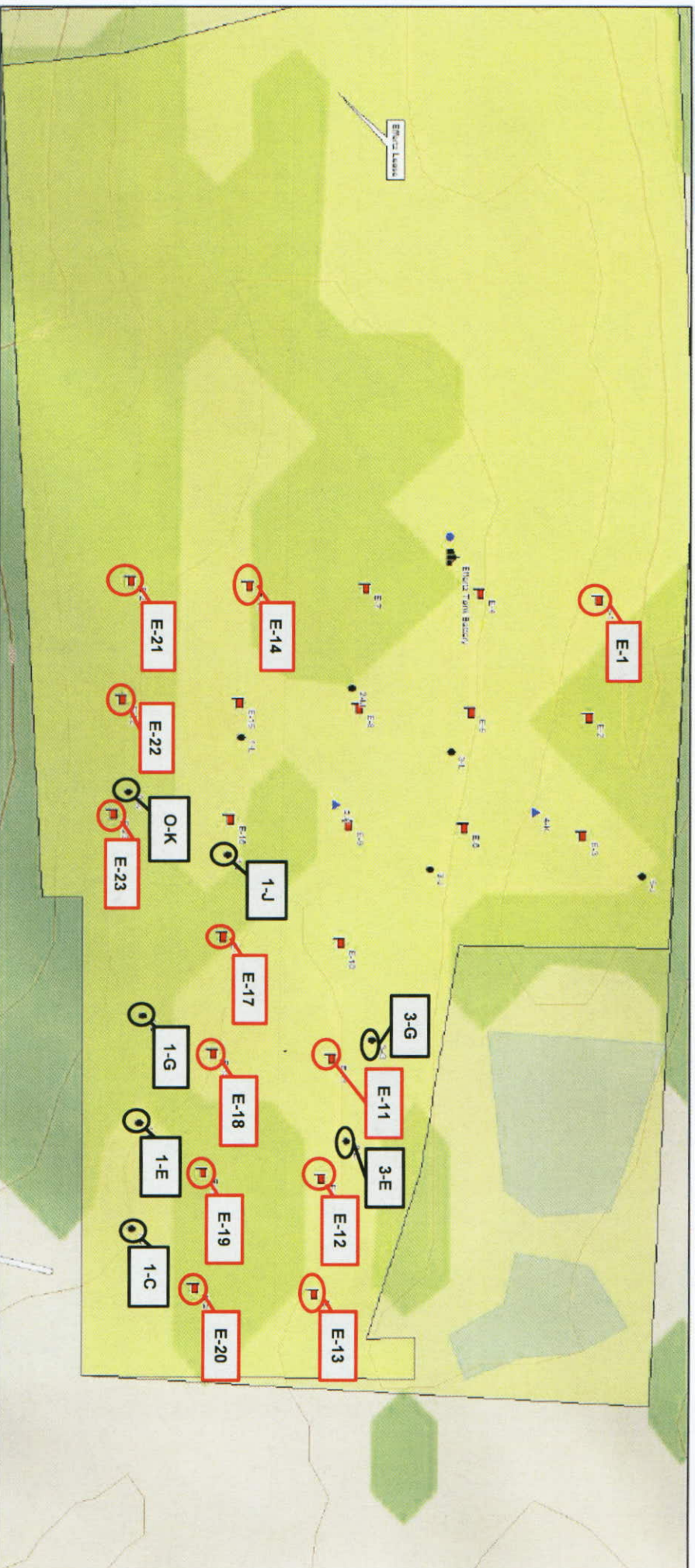
STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**INJECTION WELL LOCATION PLAT**

Mo Oil & Gas Council

OWNER'S NAME Kansas Resource Exploration & Development, LLC	
LEASE NAME MacLaughlin E-19	COUNTY Cass
WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES) 1320 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 1980 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line	
WELL LOCATION Sec. 4 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West	
LATITUDE N38° 50' 6.71" ✓	LONGITUDE W94° 34' 20.16" ✓
REMARKS Plat Map Scale - 1 Square = 660 feet ✓	
<p align="center"><b>INSTRUCTIONS</b></p> <p>On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.</p>	<p>This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.</p>
REGISTERED LAND SURVEY	NUMBER



- O – Circled wells in red are new permits greater than 330' from any well**
- O – Circled wells in black are plugged existing wells**





## Missouri Department of Natural Resources

### Geographic Information Systems

## Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

☐ Universal Transverse Mercator  
[Zone 15 North]

Easting  
363535.71302539983 meters

Northing  
4299662.797851144 meters

☐ Decimal Degrees

Latitude  
38.8351972222223 °

Longitude  
-94.5722666666666 °

☒ Degrees, Minutes and Seconds

Latitude Degrees  
38 °

Latitude Minutes  
50 '

Latitude Seconds  
6.71 ''

Longitude Degrees  
-94 °

Longitude Minutes  
34 '

Longitude Seconds  
20.16 ''

<b>UTM Zone 15N [Easting, Northing]</b>	[ 363535.7, 4299662.7 ] meters
<b>Decimal Degrees [Lat, Lon]</b>	[ 38.835197°, -94.572267° ]
<b>Deg, Min, Sec [Lat, Lon]</b>	[ 38° 50' 6.7", -94° 34' 20.1" ]
<b>County Name</b>	Cass
<b>County FIPS Code</b>	037
<b>Legal Description</b>	Section 04 T46N R33W
<b>Municipality</b>	Belton
<b>House District</b>	56
<b>Senate District</b>	31
<b>Congressional District</b>	4
<b>MoDNR Region</b>	Kansas City Regional Office
<b>USGS 1:24,000 Quadrangle</b>	Belton [38094-G5]
<b>8 Digit Watershed</b>	10300101 [Lower Missouri-Crooked]
<b>10 Digit Watershed</b>	1030010101 [Blue River]
<b>12 Digit Watershed</b>	103001010104 [Camp Branch-Blue River]
<b>Special Well Drilling Area</b>	Area 2
<b>Ecological Drainage Unit</b>	Central Plains/Blackwater/Lamine
<b>Level III Ecoregion</b>	Central Irregular Plains
<b>Query Time</b>	10.969 s













Rows with **red** text indicate that the input location is too close to a boundary to produce reliable results.

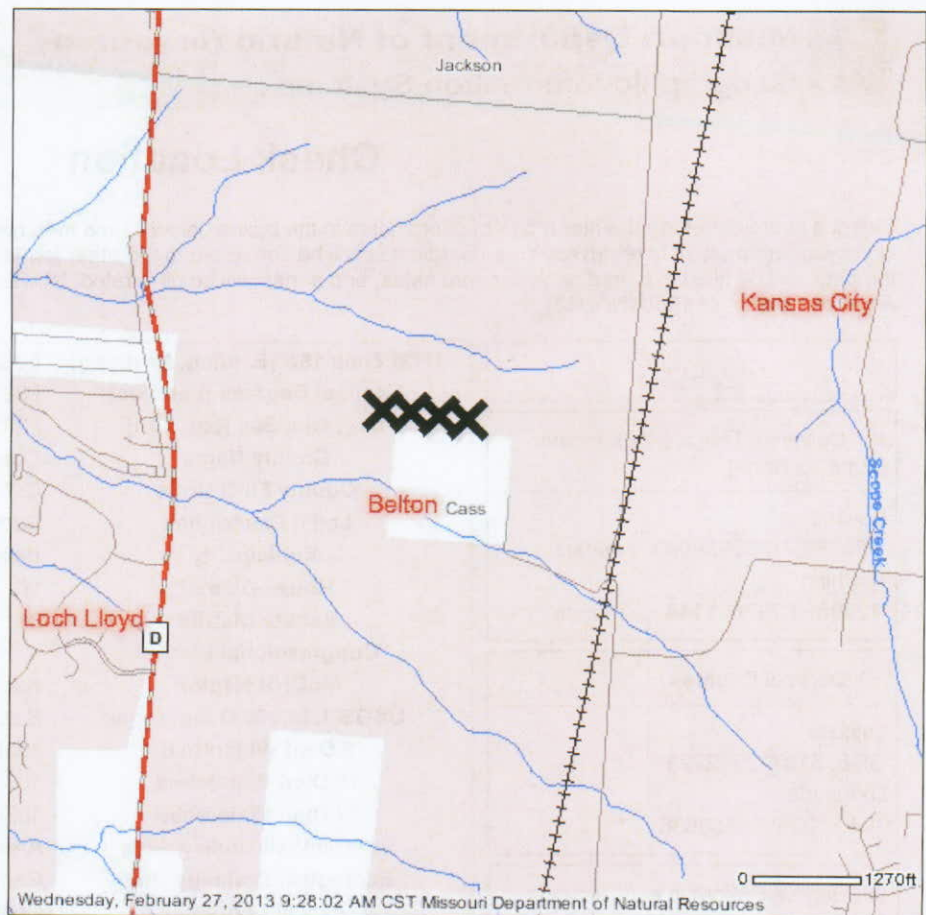
NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

### Metadata

- [Interstate Highways](#)
- [US Highways](#)
- [State Highways](#)
- [Railroad](#)
- [Major and Minor Roads](#)
- [County Boundary](#)
- [Lakes](#)
- [Major Rivers](#)
- [Rivers and Streams](#)
- [Missouri River](#)
- [Mississippi River](#)
- [Municipal](#)



- Legend**
-  Interstate Highways
  -  US Highways
  -  State Highways
  -  Railroad
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View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



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